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Derwent Title: Asbestos-free hardenable compsns. for moulded roof tiles - contain quartzite, wollastonite cement, fibre, alkali(ne earth) metal salts, etc.

Original Title: [EP0376334A2](#): Non-asbestos inorganic hardened compositions and production method hereof

Assignee: ASK CORP Non-standard company

Inventor: AKIMOTO Y; ITO T; KUSUNOKI K; MOROHASHI K; TAGUCHI K; TAGUSHI K; YONEKURA T;

Accession/Update: 1990-202761 / 200060

IPC Code: C04B 14/16 ; C04B 28/02 ; C04B 28/04 ; B28B 3/12 ; B28B 3/20 ; C04B 14/04 ; C04B 14/06 ; C04B 16/06 ; C04B 22/12 ; C04B 40/00 ; C04B 14/04 ; C04B 14/06 ; C04B 16/06 ; C04B 22/12 ; C04B 28/02 ; C04B 14/04 ; C04B 14/06 ; C04B 14/38 ; C04B 22/12 ; C04B 28/02 ; C04B 28/04 ; C04B 14/04 ; C04B 16/06 ; C04B 11/12 ;

Derwent Classes: L02: P64;

Manual Codes: L02-D11(Mortars, concretes - asbestos and mineral fibre products)

Derwent Abstract: (EP0376334A) Asbestos-free hardenable composition containing on a parts by weight basis, cement 100, quartzite powder 5-60, pref. 10-40, wollastonite 5-60, fibre 0.1-10 and water. The quartzite powder pref. has a Blaine specific surface area of 20000cm²/g or less. Optionally the composition contains alkali or alkaline earth metal chloride 0.1-8, pref. 1-4, and a water reducing agent 0.1-6 and a thickener 0.1-4. The water reducing agent is pref. a surface active agent and the thickener is pref. based on cellulose. Fibres may be based on P.V.A., polypropylene, rayon, glass, carbon, etc. Aggregates such as perlite, wood dust, lime, etc. may be added. The composition may be processed by extrusion, roll pressing or flat pressing followed by hardening and curing.
USE/Advantage - Making roofing materials. A substitute for asbestos based products and has processing advantages over compositions based on silica fume.

[Dwg.0/16](#), [Dwg.0/15](#)

Family: [PDF Patent](#) [Pub. Date](#) [Derwent Update](#) [Pages](#) [Language](#) [IPC Code](#)

EP0376334A* 1990-07-04 199027 English C04B 14/04
 Des. States: (R) BE CH DE ES FR GB IT U
 Local appls.: EP1989000124110 Filed:1989-12-28 (89EP-0124110)

☒ DK0173409B = 2000-09-25 200056 DA_DK C04B 28/04
 Local appls.: Previous Publ. DK08906674 (DK 8906674)
 DK198900006674 Filed:1989-12-27 (89DK-0006674)

☒ KR0200472B1 = 1999-06-15 200060 English C04B 14/16
 Local appls.: KR1989000019889 Filed:1989-12-28 (89KR-0019889)

☒ JP02506208B2 = 1996-06-12 199628 13 English C04B 28/04
 Local appls.: Previous Publ. JP02289456 (JP 2289456)
 JP1989000317735 Filed:1989-12-08 (89JP-0317735)

☒ AU0659737B = 1995-05-25 199529 English C04B 28/04
 Local appls.: Div ex AU1989000047068 (89AU-0047068)
 Previous Publ. AU09339996 (AU 9339996)
 AU1993000039996 Filed:1993-06-03 (93AU-0039996)

☒ ES2039827I3 = 1993-10-01 199344 Spanish C04B 28/02
 Local appls.: Based on EP00376334 (EP 376334)
 EP1989000124110 Filed:1989-12-28 (89EP-0124110)

AU9339996A = 1993-08-19 199340 English C04B 28/04
 Local appls.: Div ex AU1989000047068 (89AU-0047068)
 AU1993000039996 Filed:1993-06-03 (93AU-0039996)

☒ DE68906138E = 1993-05-27 199322 German C04B 28/02
 Local appls.: Based on EP00376334 (EP 376334)
 DE1989000606138 Filed:1989-12-28 (89DE-0606138)
 EP1989000124110 Filed:1989-12-28 (89EP-0124110)

☒ EP0376334B1 = 1993-04-21 199316 23 English C04B 28/02
 Des. States: (R) BE CH DE ES FR GB IT U
 Local appls.: EP1989000124110 Filed:1989-12-28 (89EP-0124110)

☒ JP02289456A = 1990-11-29 199103 English C04B 14/06
 Local appls.: JP1989000317735 Filed:1989-12-08 (89JP-0317735)

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AU8947068A = 1990-07-05 199035 English
Local appls.:
.....
DK8906674A = 1990-06-29 199038 DA_DK
Local appls.:
.....
☒ CA2006793A = 1990-06-28 199037 English C04B 14/04
Local appls.:
.....

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[INPADOC](#)

Legal Status:

[First Claim:](#)

[Show all claims](#)

[Priority Number:](#)

1. A non-asbestos inorganic hardened composition comprising a mixture of 100 parts by weight of cement, 5 to 60 parts by weight of quartzite powder, 5 to 60 parts by weight of wollastonite, and 0.1 to 10 parts by weight of fiber mixed with an appropriate amount of water, molded, and hardened.

Application Number	Filed	Original Title
JP1989000317735	1989-12-08	MUISHIWATAMUKISHITSUKOKATAIOYOBISONOSEIZOHOO
JP1988000328936	1988-12-28	

[Citations:](#)

PDF	Patent	Original Title
<input checked="" type="checkbox"/>	EP0067456	SHAPED ARTICLE AND METHOD, COMPOSITE MATERIAL AND APPARATUS FOR ITS PREPARATION
<input checked="" type="checkbox"/>	EP0068742	SHAPED ARTICLES
	GB01023141	
<input checked="" type="checkbox"/>	GB2142619	SELF-LEVELLING CEMENTITIOUS COMPOSITIONS
<input checked="" type="checkbox"/>	JP57027955	SEMENTOKEISEIKEIBUTSUNOSEIHO
<input checked="" type="checkbox"/>	JP62041785	MASABUTSURYUKEICHOSEISOCHI
<input checked="" type="checkbox"/>	US4377415	REINFORCED CEMENT SHEET PRODUCT CONTAINING WOLLASTONITE FOR REDUCED SHRINKAGE
		Msg: 2..Jnl.Ref
		Msg: A3...199109
		Msg: NoSR.Pub

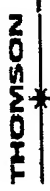
® Title Terms:

ASBESTOS FREE HARDEN COMPOSITION MOULD ROOF TILE CONTAIN QUARTZITE WOLLASTONITE CEMENT FIBRE ALKALI
EARTH METAL SALT

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